

PAGE: 1

**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/986,186**

DATE: 03/15/2000
TIME: 14:58:06

INPUT SET: S35051.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

1 SEQUENCE LISTING

3 (1) General Information:

5 (i) APPLICANT: Peterson, et al.

(ii) TITLE OF INVENTION: METHODS FOR GENERATING AND
SCREENING NOVEL METABOLIC PATHWAYS

10 (iii) NUMBER OF SEQUENCES: 51

12 (iv) CORRESPONDENCE ADDRESS:

13 (A) ADDRESSEE: Pennie & Edmonds
14 (B) STREET: 1155 Avenue of the Americas
15 (C) CITY: New York
16 (D) STATE: NY
17 (E) COUNTRY: USA
18 (F) ZIP: 10036/2711

20 (v) COMPUTER READABLE FORM:

21 (A) MEDIUM TYPE: Diskette
22 (B) COMPUTER: IBM Compatible
23 (C) OPERATING SYSTEM: DOS
24 (D) SOFTWARE: FastSEQ Version 2.0

26 (vi) CURRENT APPLICATION DATA:

27 (A) APPLICATION NUMBER: 08/986,186
28 (B) FILING DATE:
29 (C) CLASSIFICATION:

31 (vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: US/08/639,255
(B) FILING DATE: 24-APR-1996

35 (A) APPLICATION NUMBER: USSN 08/427,348
36 (B) FILING DATE: 24-APR-1995

38 (vii) PRIOR APPLICATION DATA:

39 (A) APPLICATION NUMBER: USSN 08/427,244
40 (B) FILING DATE: 24-APR-1995

44 (viii) ATTORNEY/AGENT INFORMATION:

45 (A) NAME: Coruzzi, Laura A
46 (B) REGISTRATION NUMBER: 30,742

ENTERED

INPUT SET: S35051.raw

(C) REFERENCE/DOCKET NUMBER: 8757-005

49 (ix) TELECOMMUNICATION INFORMATION:
50 (A) TELEPHONE: 212-790-9090
51 (B) TELEFAX: 212-869-8864
52 (C) TELEX: 66141 PENNIE

53
54
55 (2) INFORMATION FOR SEQ ID NO:1:
56
57 (i) SEQUENCE CHARACTERISTICS:
58 (A) LENGTH: 23 base pairs
59 (B) TYPE: nucleic acid
60 (C) STRANDEDNESS: single
61 (D) TOPOLOGY: linear
62
63 (ii) MOLECULE TYPE: DNA
64 (ix) FEATURE:
65
66 (A) NAME/KEY: Oligonucleotide "Bead-link-5"
67 (B) LOCATION: 1...23
68 (D) OTHER INFORMATION:
69
70 (A) NAME/KEY: Other
71 (B) LOCATION: 1
72 (D) OTHER INFORMATION: Biotin at nucleotide 1
73
74
75 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
76
77 GCCGACCATT TAAATCGGTT AAT
78
79 (2) INFORMATION FOR SEQ ID NO:2:
80
81 (i) SEQUENCE CHARACTERISTICS:
82 (A) LENGTH: 21 base pairs
83 (B) TYPE: nucleic acid
84 (C) STRANDEDNESS: single
85 (D) TOPOLOGY: linear
86
87 (ii) MOLECULE TYPE: DNA
88 (ix) FEATURE:
89
90 (A) NAME/KEY: Oligonucleotide "Bead-link-3"
91 (B) LOCATION: 1...21
92 (D) OTHER INFORMATION:
93
94 (A) NAME/KEY: Other
95 (B) LOCATION: 1
96 (D) OTHER INFORMATION: Phosphate at nucleotide
97
98 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
99

**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/986,186**DATE: 03/15/2000
TIME: 14:58:06**INPUT SET: S35051.raw**

100 TAACCGATTT AAATGGTCGG C 21
101
102 (2) INFORMATION FOR SEQ ID NO:3:
103
104 (i) SEQUENCE CHARACTERISTICS:
105 (A) LENGTH: 44 base pairs
106 (B) TYPE: nucleic acid
107 (C) STRANDEDNESS: single
108 (D) TOPOLOGY: linear
109
110 (ii) MOLECULE TYPE: DNA
111 (ix) FEATURE:
112
113 (A) NAME/KEY: Annealed beadlink oligonucleotide
114 (B) LOCATION: 1...44
115 (D) OTHER INFORMATION:
116
117
118 (A) NAME/KEY: Other
119 (B) LOCATION: 8...15, 31...38
120 (D) OTHER INFORMATION: SwaI restriction
121 endonuclease sites
122
123 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
124
125 GCCGACCATT TAAATCGGTT AATCGGCTGG TAAATTTAGC CAAT 44
126
127 (2) INFORMATION FOR SEQ ID NO:4:
128
129 (i) SEQUENCE CHARACTERISTICS:
130 (A) LENGTH: 12 base pairs
131 (B) TYPE: nucleic acid
132 (C) STRANDEDNESS: single
133 (D) TOPOLOGY: linear
134
135 (ii) MOLECULE TYPE: DNA
136 (ix) FEATURE:
137
138 (A) NAME/KEY: BstXI site
139 (B) LOCATION: 1...12
140 (D) OTHER INFORMATION:
141
142
143 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
144
145 CCACCTAACT GG 12
146
147 (2) INFORMATION FOR SEQ ID NO:5:
148
149 (i) SEQUENCE CHARACTERISTICS:
150 (A) LENGTH: 20 base pairs
151 (B) TYPE: nucleic acid
152 (C) STRANDEDNESS: single

**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/986,186**DATE: 03/15/2000
TIME: 14:58:07**INPUT SET: S35051.raw**

153 (D) TOPOLOGY: linear
154
155 (ii) MOLECULE TYPE: DNA
156 (ix) FEATURE:
157
158 (A) NAME/KEY: Promoter for cDNA and gDNA inserts
159 (B) LOCATION: 1...20
160 (D) OTHER INFORMATION:
161
162 (A) NAME/KEY: Other
163 (B) LOCATION: 10...11
164 (D) OTHER INFORMATION: Promoter site
165
166
167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
168
169 GAGTAGATCT CTCGAGCGGC 20
170
171 (2) INFORMATION FOR SEQ ID NO:6:
172
173 (i) SEQUENCE CHARACTERISTICS:
174 (A) LENGTH: 20 base pairs
175 (B) TYPE: nucleic acid
176 (C) STRANDEDNESS: single
177 (D) TOPOLOGY: linear
178
179 (ii) MOLECULE TYPE: DNA
180 (ix) FEATURE:
181
182 (A) NAME/KEY: Promoter for cDNA and gDNA inserts
183 (B) LOCATION: 1...20
184 (D) OTHER INFORMATION:
185
186 (A) NAME/KEY: Other
187 (B) LOCATION: 10...11
188 (D) OTHER INFORMATION: Promoter site
189
190
191 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
192
193 GCCGCTCGAG AGATCTACTC 20
194
195 (2) INFORMATION FOR SEQ ID NO:7:
196
197 (i) SEQUENCE CHARACTERISTICS:
198 (A) LENGTH: 6 base pairs
199 (B) TYPE: nucleic acid
200 (C) STRANDEDNESS: single
201 (D) TOPOLOGY: linear
202
203 (ii) MOLECULE TYPE: DNA
204 (ix) FEATURE:
205

**RAW SEQUENCE LISTING
PATENT APPLICATION US/08/986,186**DATE: 03/15/2000
TIME: 14:58:07**INPUT SET: S35051.raw**

206 (A) NAME/KEY: Promoter for cDNA and gDNA inserts
207 (B) LOCATION: 1...6
208 (D) OTHER INFORMATION:
209
210
211 (A) NAME/KEY: Other
212 (B) LOCATION: 5...6
213 (D) OTHER INFORMATION: Promoter site
214
215
216 (A) NAME/KEY: Other
217 (B) LOCATION: 1
218 (D) OTHER INFORMATION: Phosphate at nucleotide 1
219
220
221 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
222

223 GATCTC

6

224 (2) INFORMATION FOR SEQ ID NO:8:
225
226 (i) SEQUENCE CHARACTERISTICS:
227 (A) LENGTH: 6 base pairs
228 (B) TYPE: nucleic acid
229 (C) STRANDEDNESS: single
230 (D) TOPOLOGY: linear
231
232 (ii) MOLECULE TYPE: DNA
233 (ix) FEATURE:
234
235 (A) NAME/KEY: Promoter for cDNA and gDNA inserts
236 (B) LOCATION: 1...6
237 (D) OTHER INFORMATION:
238
239
240 (A) NAME/KEY: Other
241 (B) LOCATION: 5...6
242 (D) OTHER INFORMATION: Promoter site
243
244
245 (A) NAME/KEY: Other
246 (B) LOCATION: 1
247 (D) OTHER INFORMATION: Phosphate at nucleotide 1
248
249
250
251 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
252

253 TCGAGA

6

254 (2) INFORMATION FOR SEQ ID NO:9:
255
256 (i) SEQUENCE CHARACTERISTICS:
257 (A) LENGTH: 8 base pairs
258

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION **US/08/986,186**

DATE: 03/15/2000
TIME: 14:58:08

INPUT SET: S35051.raw

Line

Error

Original Text